

# Comparisons of Job Characteristics

**Focus Occupation:** Environmental Scientists and Specialists, Including Health (19-2041)

**Associated Occupation:** Environmental Science Teachers, Postsecondary (25-1053)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 75

**Focus Occupation:** Environmental Scientists and Specialists, Including Health (19-2041)

**Associated Occupation:** Environmental Science Teachers, Postsecondary (25-1053)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Education and Training	9.2	21.7	9.1	<<	Extensive education and/or training may be required
English Language	11.2	20.1	16.0	<<	Extensive education and/or training may be required
Biology	3.7	18.9	14.8	<<	Extensive education and/or training may be required
Mathematics	9.2	16.6	15.5	0	Current knowledge level may be sufficient
Chemistry	4.8	16.1	14.9	0	Current knowledge level may be sufficient
Geography	3.9	15.1	12.7	<	Expanded education and/or training may be required
Physics	4.3	11.4	10.5	0	Current knowledge level may be sufficient
History and Archeology	2.6	7.5	3.1	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 91

**Focus Occupation:** Environmental Scientists and Specialists, Including Health (19-2041)

**Associated Occupation:** Environmental Science Teachers, Postsecondary (25-1053)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reading Comprehension	10.7	17.8	16.1	<	A higher skill level may be required
Writing	9.2	17.0	14.4	<	A higher skill level may be required
Speaking	10.8	15.9	14.6	0	Current skill level may be sufficient
Science	4.5	15.1	15.7	0	Current skill level may be sufficient
Active Learning	8.7	14.2	13.0	0	Current skill level may be sufficient

Instructing	7.8	14.0	10.2	<<	Extensive development of skills in this area may be required
Learning Strategies	7.2	13.9	11.7	<	A higher skill level may be required
Monitoring	9.9	13.3	11.7	<	A higher skill level may be required
Time Management	8.9	11.8	10.5	<	A higher skill level may be required
Systems Analysis	6.5	10.1	10.6	0	Current skill level may be sufficient
Systems Evaluation	6.4	10.1	9.8	0	Current skill level may be sufficient
Operations Analysis	5.0	9.1	9.3	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Environmental Scientists and Specialists, Including Health (19-2041)

Associated Occupation: Environmental Science Teachers, Postsecondary (25-1053)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Written Comprehension	11.0	17.9	16.3	0 Current ability level may be sufficient
Written Expression	9.8	17.6	14.4	< Some improvement in abilities may be required
Oral Expression	12.4	17.3	15.6	< Some improvement in abilities may be required
Oral Comprehension	12.5	17.1	15.3	< Some improvement in abilities may be required
Speech Clarity	10.2	16.2	12.8	<< Extensive improvement in abilities may be required
Deductive Reasoning	10.6	13.8	15.1	0 Current ability level may be sufficient
Inductive Reasoning	10.2	13.8	16.5	> Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Environmental Scientists and Specialists, Including Health (19-2041)

Associated Occupation: Environmental Science Teachers, Postsecondary (25-1053)

Work Activities	Exclusivity of Activity
Advise governmental or industrial personnel	28
Analyze scientific research data or investigative findings	27
Conduct laboratory research or experiments	57
Direct and coordinate scientific research or investigative studies	27
Follow safe waste disposal procedures	50
Use chemical testing or analysis procedures	54
Use hazardous materials information	35

Use knowledge of environmental laws and regulations	76
Use library or online Internet research techniques	21
Use pollution control techniques	62
Write scholarly or technical research papers	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Environmental Scientists and Specialists, Including Health (19-2041)**  
**Associated Occupation: Environmental Science Teachers, Postsecondary (25-1053)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.